

Industry Sector: Agriculture and Natural Resources

Pathway: Forestry – AS Degree



California Program of Study

Level	Grade	English Language Arts	Math	Social Studies	Science	Career Technical Education Course	Other Required Courses or Recommended Electives	Sample Occupations relating to this pathway (Including SOC Code)
High School	9	English	Math	Social Science	Science		Physical Education	Occupations requiring a high school diploma <ul style="list-style-type: none"> ➤ Equipment Operator ➤ Log Scalar ➤ Millwright ➤ Lumber grader
	10	English	Math	World History	Science		Physical Education Visual/Performing Arts or Foreign Language	
	11	English		US History				
	12	English (Recommended)		Civics and American Government				

(High School courses listed in the light green and yellow areas are the Minimum State High School Graduation requirements)

As Degree Suggested Course Sequence Years 1 & 2

Grade	Fall Year 1	Spring Year 1	Summer	Fall Year 2	Spring Year 2
13		Complete one course: BIOL 24 General Ecology (4) ESC 5 Physical Geography (4) FNR 30 Intro to Watershed Mgmt (3) FNR 81 California Wildlife (3)	Complete one course: BIOL 39, 40, 158, 159, 160, 179; ESC 35; FNR 11, 12, 50, 172, 173, 182, 183	FNR 10 Dendrology (3)	Complete one course: FNR 1, Environ Conservation (3) FNR 3 Nat Res Law/Policy (3) FNR 9 Parks/Forests Law (2) FNR 185 Intro to Natl Wilder (1)
14	FNR 2 Introduction to Professional Forestry (3)	GE (3)	GE (3)	FNR 62 Applied Forest Inventory and Management (2)	FNR 53 Forest Surveying Techniques (3)
	FNR 60 Maps and Remote Sensing (2)	GE (3)	GE (3)	FNR 22 Ecology and Use of Fire in Forest Ecosystem (2) -or- FNR 24 Fire-Fuels Management (3)	GE (3)
	Complete one course: CCTIS 59 -or- GEOGR 59 Geographic Information and Global Positioning Systems (Offered Fall only) (1-3) -or- CCTIS 60 -or- GEOGR 60 Intro to Arc/GIS (3)	GE (3)	Physical Education Activity Course (1)	Physical Education Activity Course (1)	GE (3)
	GE (3)			GE (3)	GE (3)
	GE (3)			GE (3)	GE (3)

GE requirements – One each from the following areas: (A.1 or A.3, A.2, B.1 or B.2, Math 104, C.1 or C.2, one course from DO-D9, one course E, plus 1 Physical Education activity courses and one additional unit of activity.)

- Occupations requiring some post-secondary**
- Biology technician
 - GIS Technician
 - Recreation Technician
- Occupations requiring a 2 year Degree**
- Timber Cruiser
 - Interpreter
 - Utility Forester
- Occupations requiring a BA/BS Degree**
- Silviculturist
 - Resource Officer
 - Ecologist
- Industry recognized certifications, licenses, credentials or apprenticeships related to this pathway.**
- Registered professional Forester
 - ISA Certified Arborist
 - Applicator's license
 - Class B driver license

Hofstra/Ellis 2016-2017